



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

26 February 2007

## Construction Report

**Foundation Grouting.** ACT continued drilling in the gallery. Currently drilling the 10th of 21 holes. Kiewit continued construction of the temporary and permanent work platforms. They completed filling in the temporary platform and began the outer retention berm on the permanent platform. In addition, they continued to drive sheet piling on the night shift. Prosonic installed 6 of the 19 new piezometers to improve monitoring capability in critical areas.

**Halcomb's Landing.** VCI Doyon continued to drill, blast, haul and compact shot rock in Phase II of the old Halcomb's Landing parking area. They are placing approximately 8000 cubic yards per day and are nearly finished with Phase II. An RFP for excavating the fourth parking bay was submitted to VCI. Some of this material will be placed along the work platform for a passing lane for construction vehicles.

**Drawdown Mitigation.** We began implementing our drawdown mitigation plan for extending boat ramps for which we currently have authority. Work began at Lee's Ford Marina and we discovered planking was already in place to an elevation below 680. The silt was removed and the ramp placed in operation. A task order was issued for extending the Grider Hill Marina ramp and bids were received for Alligator #2, Conley Bottom, Fall Creek, Jamestown Marina and Waitsboro. Task orders for those ramps will be awarded in the near future.



Placing and compacting fill for temporary work platform

### This Week's Activities

- Drill and grout in the gallery
- Drive sheet pile for permanent work platform
- Pour concrete for temporary work platform
- Drill and install piezometers
- Drill, blast, and compact shot rock in Halcomb's landing parking lot
- Begin excavation for Halcomb's Landing ramp access road
- Begin boat ramp extension at Grider Hill Marina

## Water Management Report

Over the weekend there was approximately 0.5" of rain over the Wolf Creek basin which produced some runoff to Lake Cumberland. The pool elevation at 6:00 this morning was 681.2. The generation schedule for today and the next six days has been modified in an effort to lower the lake elevation to 680.5 by Saturday. The rainfall forecast is for approximately 1 - 2 inches of rain later this week.

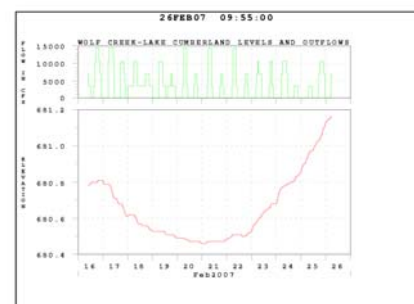
This amount of rain is likely to produce significant runoff and may make it necessary to increase the Wolf Creek discharge again. There has also been some runoff observed at the downstream projects. That is being taken into consideration when planning the Wolf Creek discharge schedule.

### Lake Cumberland Elevation

# 681.20

Time: 0600

26 Feb 2007



## Project Manager's Notes

Construction activities are moving forward as ACT/Kiewit builds the work platform on the upstream embankment. The final design of the temporary platform has been approved by the District and concrete pouring will begin early this week. Drilling from the temporary platform should begin the following week. Drilling and grouting in the gallery continues. We are considering extending this grout line all the way across the concrete section of the dam. 6 new piezometers have been installed in the critical areas. These instruments should give us a better indication of the dam's performance.

We have asked VCI Doyon for a proposal to excavate the fourth bay of the Halcomb's Landing parking area. This area is an important addition given the limited access to the lake during the draw-down period. The contract will be modified upon receipt of the proposal.

A lot of activities other than construction are underway. We are preparing an EIS for the emergency drawdown; we are working with the county emergency managers in downstream communities to develop and install an early warning system; RAC is nearing completion of the risk assessment; we are doing some exploratory drilling and testing on the downstream embankment utilizing drill crews from Baltimore and Savannah Districts; and we continue preparing the plans and specs for the cutoff wall.

On the communications side, we continue to answer calls from the general public regarding the inundation maps. We are filling a couple FOIA requests as well. We held a public meeting in Somerset, KY which was attended by about 350. Most of the ques-

## Upcoming Milestones

**08 Mar** Media day at Wolf Creek Dam

**23 May** Cutoff wall plans & specs

**30 Jun** Cutoff wall solicitation



Excavation activity at Halcomb's Landing

tions from the meeting were in regard to compensation for expenses and lost revenue. Many were directed at state officials in hopes of receiving state funds.

## District Commander's Notes

Efforts for tier I mitigation are underway with construction start at limited number of boat ramp extensions. Upon receipt of additional funds, we will continue with all planned ramp extensions. This week we are briefing congressional offices of efforts to date to include authorities for early warning devices. We have authorities to initiate efforts toward an flood-warning system under section 216 (Modifications to Existing Projects) and Section 205 (Flood Damage Reduction) with CG funds. We are still exploring avenues of authorities with O&M funds using dam safety applications. Kentucky Emergency Management maintains their desire to take the lead in pursuit of flood-warning devices through FEMA and Home Land Security funding. We are also advocating this strategy. Next public meeting is scheduled for 8 MAR in Russell Springs, KY. We also have a media day planned at the dam that same day, 8 MAR. We are inviting numerous congressional, state and local officials to a site inspection at the dam on 15 MAR.